

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 10172756
PUBLICATION DATE : 26-06-98

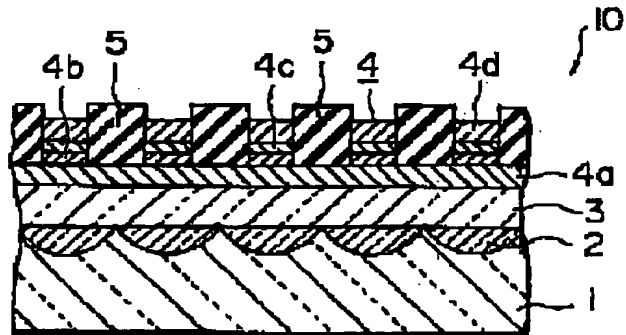
APPLICATION DATE : 13-12-96
APPLICATION NUMBER : 08334338

APPLICANT : IDEMITSU KOSAN CO LTD;

INVENTOR : KOTO TAKEKI;

INT.CL. : H05B 33/02 H05B 33/12

TITLE : ORGANIC EL LIGHT EMITTING
DEVICE



ABSTRACT : **PROBLEM TO BE SOLVED:** To provide an organic EL light emitting device which is high in both light taking-out efficiency and luminance when viewed from the front by arranging a condensing lens between a lower electrode to constitute an organic EL element and an outside surface of a light transmissive base board so as to correspond one to one to each other in a plan view.

SOLUTION: In a light transmissive base board 1 composed of a plate microlens, a backing layer 3 composed of thin plate glass is arranged on a surface on the side where a plane microlens (a planoconvex lens; a condensing lens) 2 is formed. An organic EL element 4 is arranged on this backing layer 3. The plane microlens 2 and the organic EL element 4 are arranged so as to correspond one to one to each other in a plan view. In this organic EL light emitting device 10, since the backing layer 3 is fixed on the light transmissive base board 1 by a transparent adhesive layer, a distance between a lower electrode 4a to constitute the organic EL element 4 and the plane microlens 2 is the same as a focal distance of the plane microlens 2. Respective organic EL elements emit the light in a green color.

COPYRIGHT: (C)1998,JPO